



PR-1




PURGE FAN
"ON"

AUTO OFF ON




SW-1

PR-2




HORN "ON",
GAS LEAK

NORMAL OFF



SW-2

 PB

SILENCE SWITCH

120 VAC
EXHAUST FAN
CIRCUIT

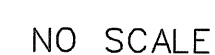
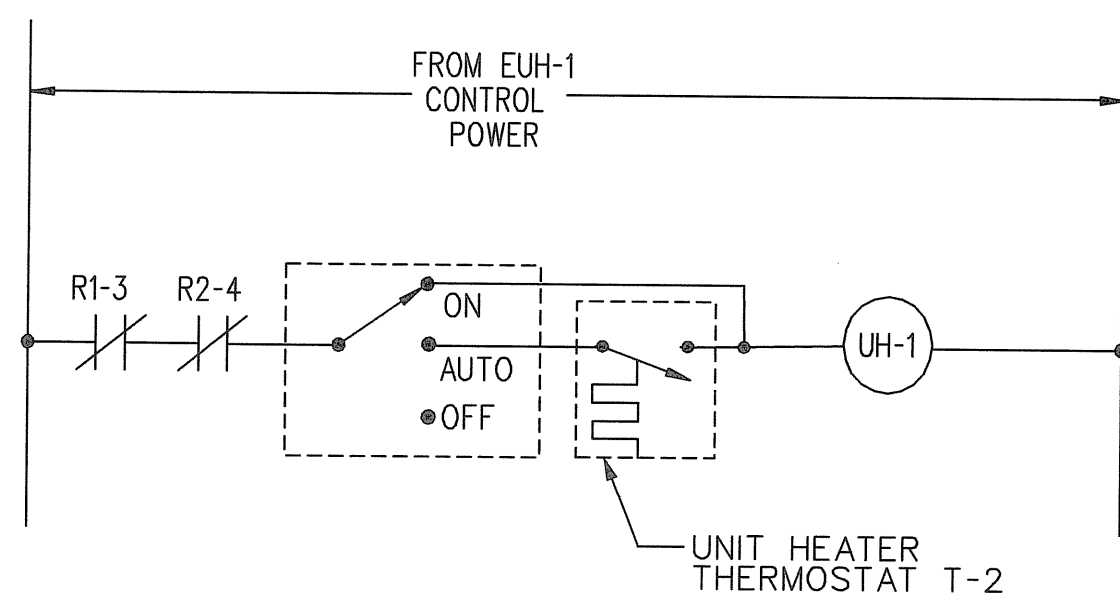
ON
AUTO
OFF

M
EF

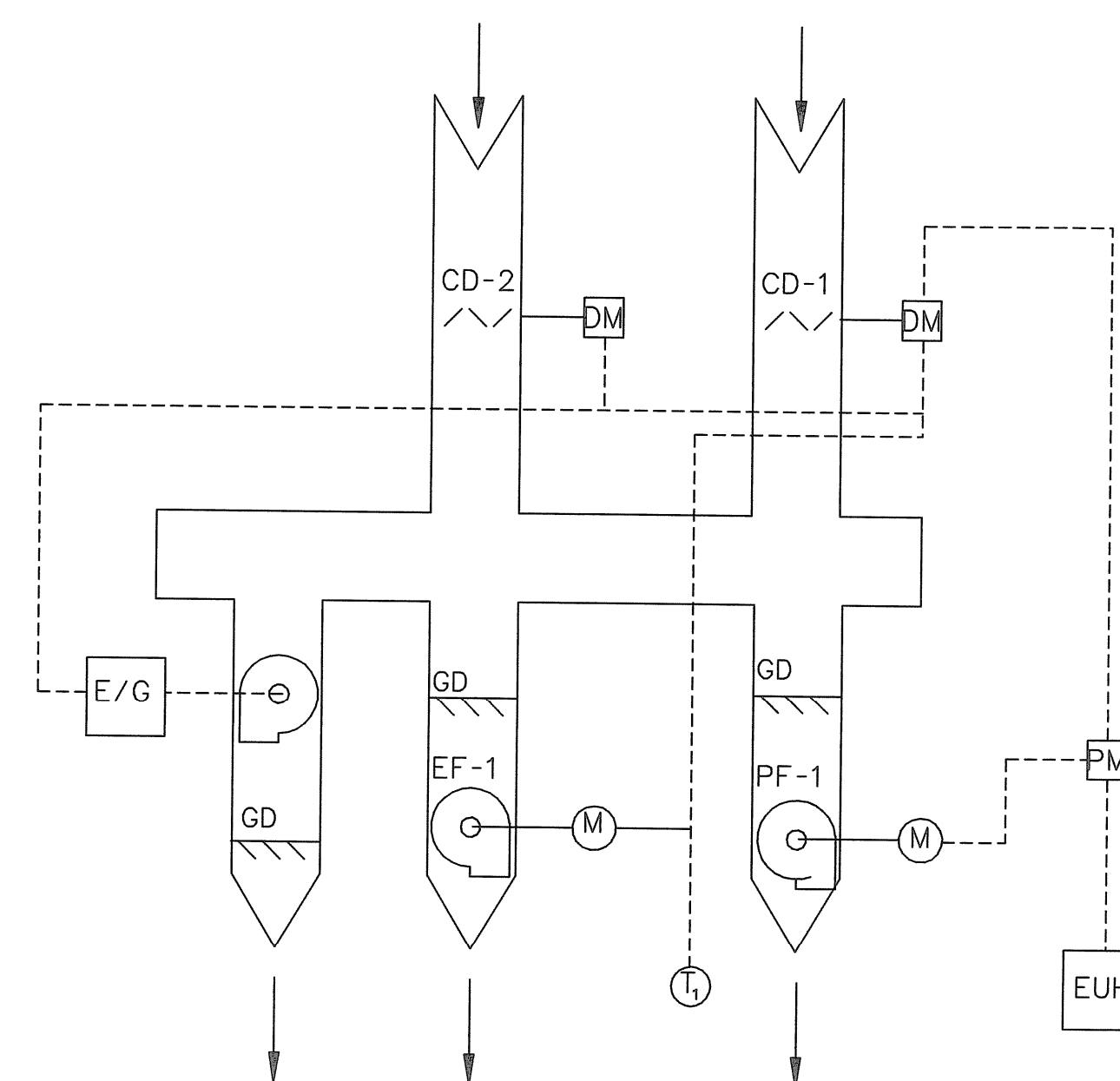
OL

R4

EXHAUST FAN
THERMOSTAT T-1



1. THE PROPANE DETECTOR AND CONTROL PANEL CONTROLS THE PURGE FAN WHEN THE ON-OFF-AUTO SWITCH (SW-1) IS IN THE "AUTO" POSITION. THE PURGE FAN RUNS CONTINUOUSLY WHEN THE SWITCH IS IN THE "ON" POSITION. INDICATOR (PILOT) LIGHT PR-1 LIGHTS WHEN THE FAN IS OPERATING.
2. THE PROPANE DETECTION SYSTEM DETECTS PROPANE AND OPERATES THE ALARM AND EXHAUST SYSTEM.
3. WHEN PROPANE LEAKAGE IS DETECTED, THE PROPANE DETECTION SYSTEM ACTIVATES PILOT LIGHT PR-1, ENERGIZES THE OUTSIDE PROPANE LEAK WARNING LIGHT, OPENS DM-1, DEENERGIZES THE UNIT HEATERS, AND WITHIN FIFTEEN SECONDS (ADJUSTABLE FROM 0-60 SEC.) ENERGIZES THE PURGE FAN, ACTIVATES THE COMBINATION HORN/STROBE ON THE CONTROL PANEL AND THEN TURNS ON THE CONTROL PANEL RED ALARM LIGHT.
4. WHEN PROPANE IS PURGED AND IS NO LONGER SENSED, THE PROPANE DETECTOR AUTOMATICALLY RESETS AND THE CONTROL PANEL, DEENERGIZES THE PURGE FAN, PR-1, PR-3, THE HORN/STROBE, CD-1 AND THE OUTSIDE WARNING LIGHT AND ALLOWS THE UNIT HEATERS TO ENERGIZE. AN ALARM SILENCE SWITCH (PUSH BUTTON TYPE) IS PROVIDED ON THE CONTROL PANEL.
5. THE PROPANE MONITOR SHALL BE GOVERNMENT FURNISHED AND CONTRACTOR INSTALLED. THE PROPANE MONITOR SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH SYSTEM SUPPORT MODIFICATION "SSM-SX-001". THIS DOCUMENT SHALL BE PROVIDED AS A SEPARATE ATTACHMENT. SEE THE SYSTEM SUPPORT DIRECTIVE FOR SPECIFIC REQUIREMENTS FOR THE PROPANE MONITOR INSTALLATION.



CD - CONTROL DAMPER
EF - EXHAUST FAN
EUH- ELECTRIC UNIT HEATER
G - PROPANE GAS DETECTOR
GC - GENERATOR RUN CONTACT
GD - GRAVITY BACKDRAFT
DAMPER
H - HORN STROBE
M - MOTOR
NC - NORMALLY CLOSED
NO - NORMALLY OPEN
OL - THERMO OVERLOAD
PB - PUSH BUTTON
W/MOMENTARY CONTACT
PF - PURGE FAN
PG - PILOT LIGHT (GREEN)
PR - PILOT LIGHT (RED)
R - RELAY
SW - SELECTOR SWITCH
T - THERMOSTAT

1. THERMOSTAT T-2, AND THE ON-OFF-AUTO SELECTOR SWITCH OPERATE THE UNIT HEATER. IN THE AUTO MODE THE THERMOSTAT STARTS THE UNIT HEATER, WHEN THE SPACE TEMPERATURE FALLS BELOW 55 DEGREES F. WHEN THE TEMPERATURE RISES ABOVE 65 DEGREES F, OR THE ENGINE IS RUNNING OR PROPANE GAS LEAK IS DETECTED, THE UNIT HEATER STOPS.

[illegible]

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